

13408 U.S. PTO  
09/10/03

Attorney Docket No.: 872.0153.U1(US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Cathy Raetz  
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Commissioner For Patents  
Mail Stop: NEW PATENT APPLICATION  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL FORM

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): **Markku J. Heikkilä**

For (title): **METHOD AND APPARATUS PROVIDING AN ADVANCED MIMO  
RECEIVER THAT INCLUDES A SIGNAL-PLUS-RESIDUAL-  
INTERFERENCE (SPRI) DETECTOR**

Enclosed are the following:

- ☐ Application Cover Page
- ☒ 21 pages of Specification that consists of, 15 pages of Description, 5 pages of Claims and 1 page of Abstract;
- ☒ 4 sheets of drawings;
- ☐ Inventor(s) Declaration;
- ☐ Preliminary Amendment;
- ☐ Priority is hereby claimed from:
  - Patent Application Number filed on ;
  - Patent Application Number filed on ;
  - Patent Application Number filed on ;
- ☐ Certified Copy of priority document(s);
- ☐ English language translation of priority document;
- ☐ Application Data Sheet;
- ☐ Information Disclosure Statement and/or Form PTO 1449 and cited art;
- ☐ Assignment and Recordation Form Cover Sheet;
- ☒ Return Receipt Postcard;
- ☐ Other:

22389 U.S. PTO  
10/659412  
09/10/03

Assignment Data

- ☒ An assignment of the invention to **Nokia Corporation**  
☐ is attached.  
☒ will follow.

Small Entity Status

- ☐ Applicant claims small entity status.

Fees

☐ Design Patent Application \$ 330.00

☒ Utility Patent Application

	Number Filed	Number Extra	Rate	Basic Fee \$ 750.00
Total Claims	22 - 20 =	2	x \$ 18.00	\$ 36.00
Independent Claims	5 - 3 =	2	x \$ 84.00	\$ 168.00
Assignment Recordal		1	x \$ 40.00	\$

TOTAL FEES

**\$ 954.00**

- ☒ A check in the amount of **\$954.00** in payment of the filing fee is enclosed.
- ☐ Charge \$ to Deposit Account No. 50-1924
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 1.16 and 1.17 which may be required for this communication or during the entire pendency of this patent application, or credit any overpayment, to Deposit Account No. 50-1924.

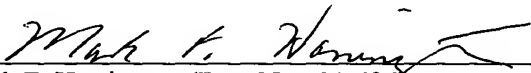
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